

GEORGE ENGELMANN BOTANICAL NOTEBOOKS

*Pagination Note:
Since many of the items lack a specific
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cataloging the materials.*

35

Lusd. p. 487

C. umbellata H.B.K.

oo. C. umbellata Torrey! Rocky Mt. & James
H.C. Torrey

p.p. C. umbellata H.B.K.! Mexico Humboldt
H.C. Kunth

nn. Cult St Louis from New Mexican Seed

x 39 Pianky, Brasil, Gardner 2425 H.H. & H. Benth.

60 Camargo, Gregg 880

Sabinal, Gregg. 490

60.6. C. umbellata H.B.K. = H.C. Berl.

81. No 371 & 695 Wright.

82 Wright 510, Limpia

5 307. Broomfield, Jamaica H.H. & H. Benth.
Pandie

26 29 25

(Enclosed 308-317)



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cm

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C. umbellata H. K. ! Querétaro Mexico. Hib.

C. paniciflora Willd. Pl. 3163 ? - - - -

C. umbellata H. K. Tony, James E. W., Rocky Mts.

Gregg. 490. Agoston near Saltillo

" 880 Camargo

Wright 1627.

1636

1639

695 San Fernando, Sonora

371. N Mexico

510 Limpio

Fowler. 659. Santa Fe in neglect
Kitch gardens & waste fields on
steep mountain slopes etc

Ind. Ord: Broomfield, Tasmania, - H. Beck.

~~252 Wallrothiagl, Chile~~ - H. Mart.

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exsecta
var. Desertorum Antigua Wallrothiagl
N 352 - H. Mart.

C. Desertorum Mart var! Pianky, Brasil

Pianky, Brasil, Jardim 2425
Mart.
- H. Hook
& Duthie



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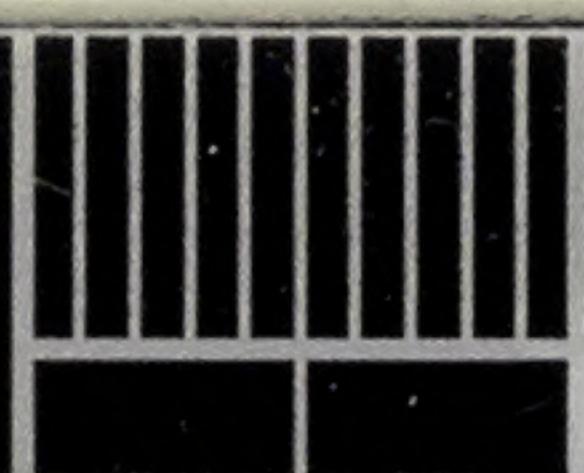


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C. umbellata H.B.K. ! Querétaro, Mexico Hach. - H. Beck.
 (C. paniflora Willd) herb N^o 3163. " " "

{ James Exped. Rocky Mts Herb Torrey
 Aguafría near Saltillo Gregg N^o 490
 Camargo " N^o 880
 New Mexico & Sonora Wright 371, 510
 695, 1627, 1636, 1639. Schott, Bdg.
 Santa Fe Tenders N^o 659. in waste
 Loran Abbott, Dottays or fields
 Ind. occid. Jamaica Broomfield - McBurke,
 Jamaica Parkie " " "

var. exserta Antigua Wollschlaeger fl 382 H. Mart.
 Piauhy, Brasil, Martin H. Mart
 (C. desertorum Mt. Ms!) Piauhy. Bras. Jardim 2625
 - H. Hook & Arnst.



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0064

C. umbellata

2/8/59

Cooks very much like *C. salina* on Seeda
 why not *C. salina* from same region see other side

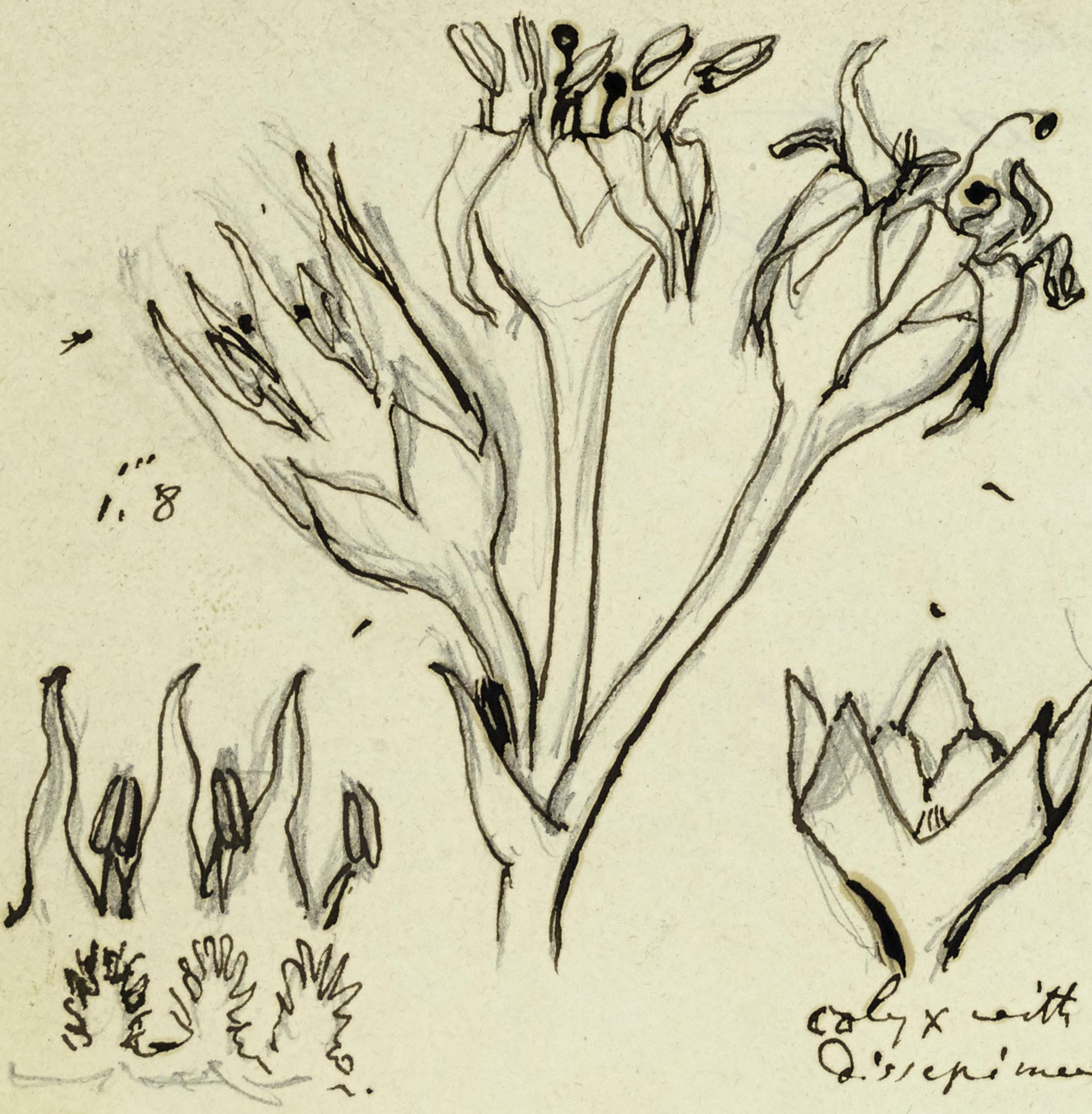
San Pedro R. near (Sonora) Arizona
 South Pacif. wagon road. Exp.

Dr S. Hays

on Seeda

1858

4 seeds
developed



coyx with
discipines



wings like, about
oblong. vix robust.
like. like broad.
big.

H. umbellata. lob. val. non indent. trigal. tab. fore repand by
 long reflexis like lanceolat. Tabo longioribus, antri. like oblong
 filato, robust aequalis, ~~the~~ 19 pubit oval. stylis ovato
 conicis, anthers obliquatis; caps. involuta, condensa, 4 angusti-



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Sept 1875

Similar to *C. Salina*

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but flowers longer pedicell,

lobes of Corolla much more slender, longer than tube,

filaments almost as long as stamens,

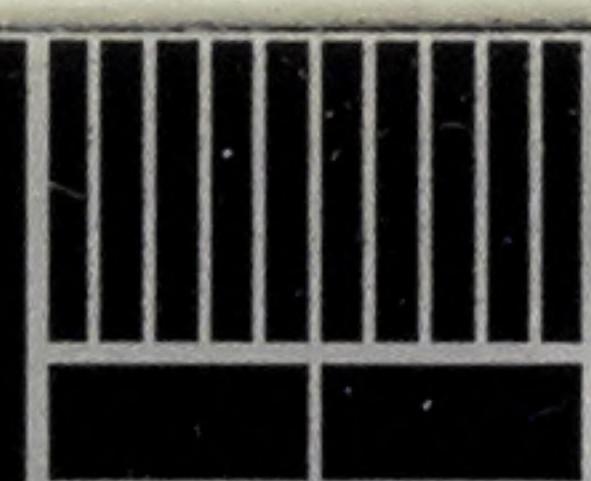
ovary broadly oval, strongly fringed.

Ovary depressed

Capsule depressed, over one side

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spotted best species known. Is it hypoleuca?



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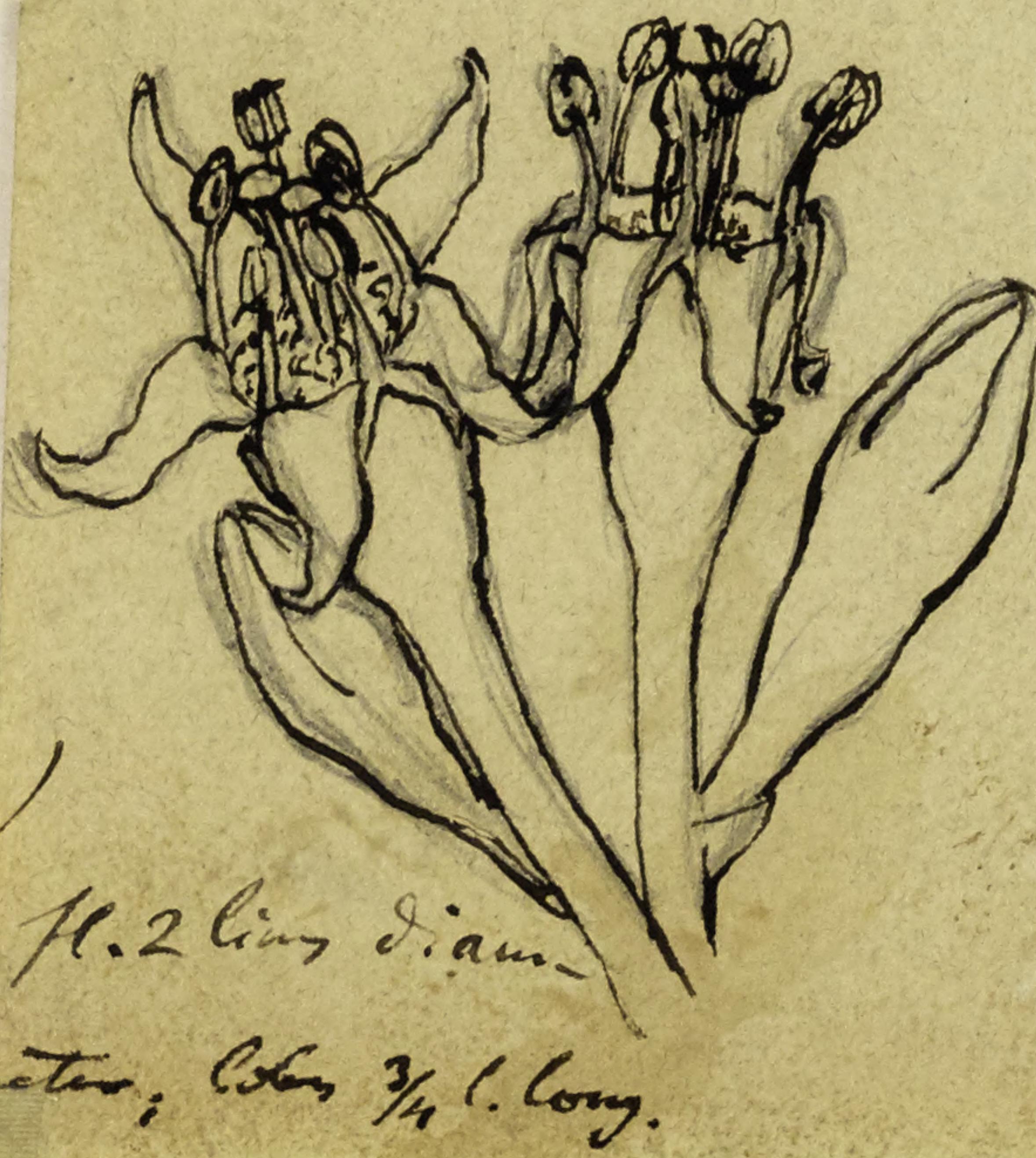
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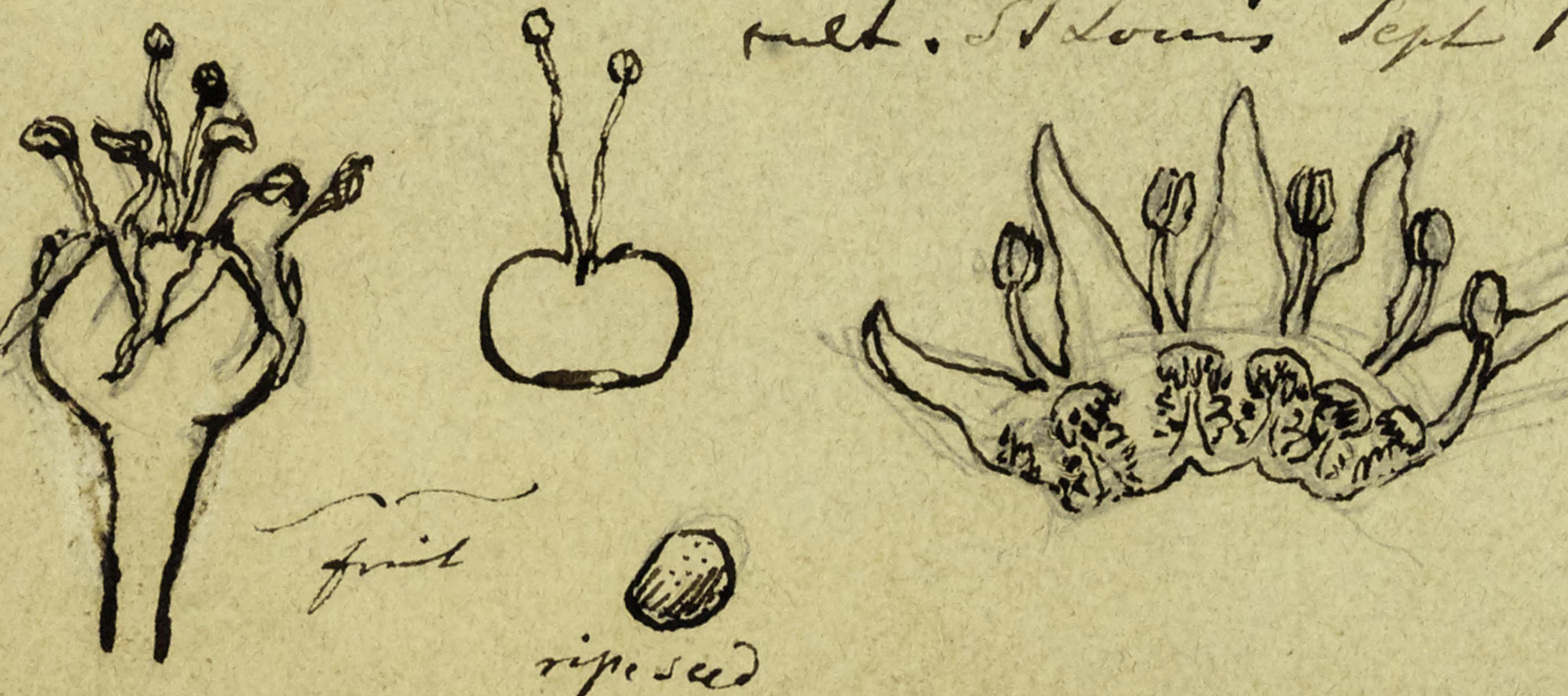


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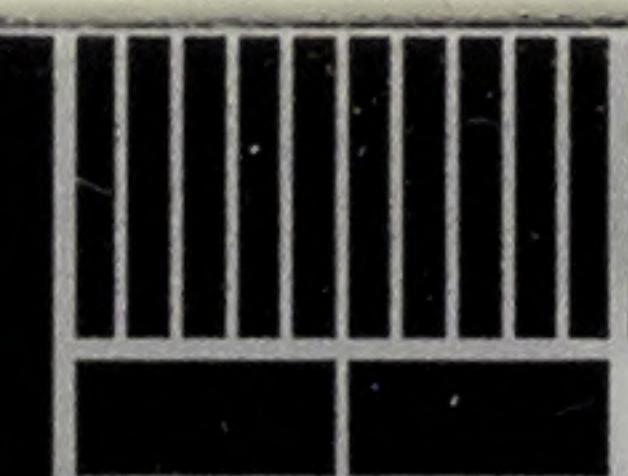
nn



Cirsium umbellatum HBK from New Mexico seed
recd. St Louis Sept 1852



raised from seeds sown by Dr Bigelow Nov 3rd 1851 at
Mule springs N. Mex. do
cultivated on portulaca foliage & olaracea



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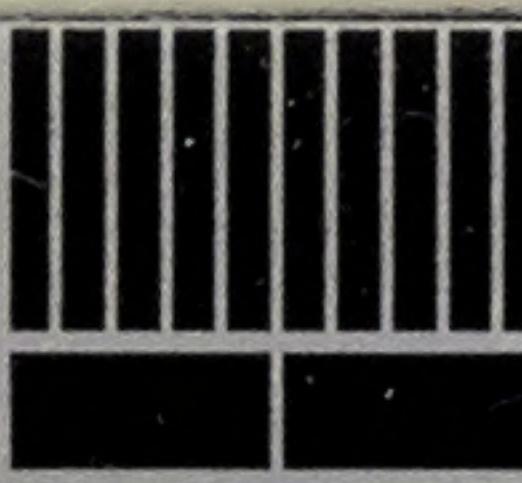
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60. 6

Cuscuta umbellata Kth. H.C. Beck, Humboldt leg.

is a very low plant, capsule one-sided, entirely identical with the new one I find; seed in the only capsule examined a single, subglobose capsule, 0.6 " vomerinus

pp.

Cuscuta umbellata
Humb.
Herb. Kunth.
Mexico Humboldt

St Louis Dec 1846



from letter



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0.0.

Cuscuta umbellata HBK

on *Peltaria olivacea*

Eastern base of
Rocky Mts. Dr James

Wright - Hill

St Louis 1864



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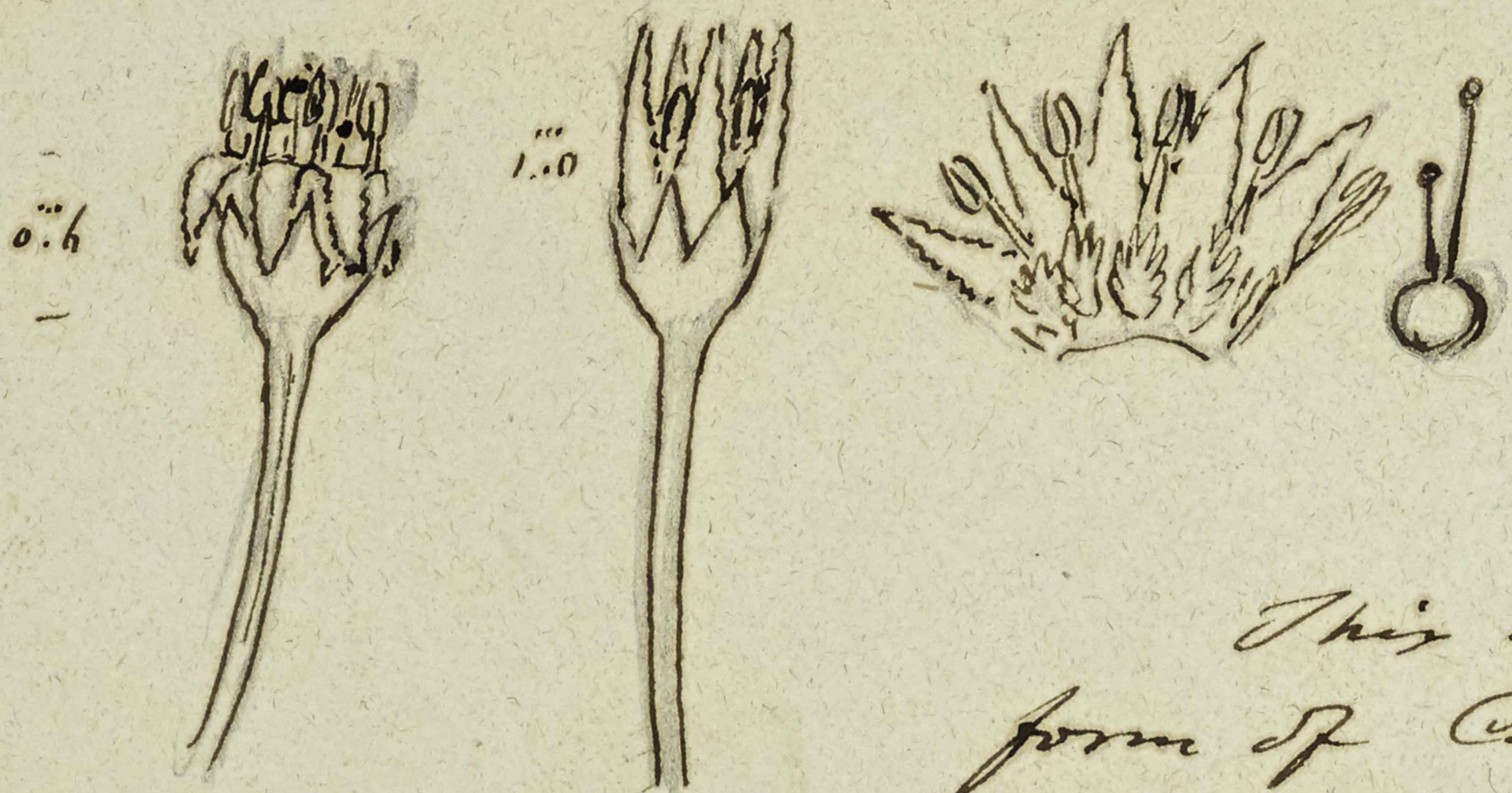
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319



New Aug 1857

C. umbellata var

Dr Coulter No 1010

Sonora alt., Mexico

Herb Hook.

This is a singular small form of *Cassia umbellata*, or perhaps of *C. gracilis*. corolla pubescent - rounded - styles very unequal

C. Umbellata *C. California*, *C. leptantha* and *C. gracilis* are very nearly allied. *California* however is distinguished by the want of scales. *Gracilis* and *umbellata* stand too near! The densely pubescent petals



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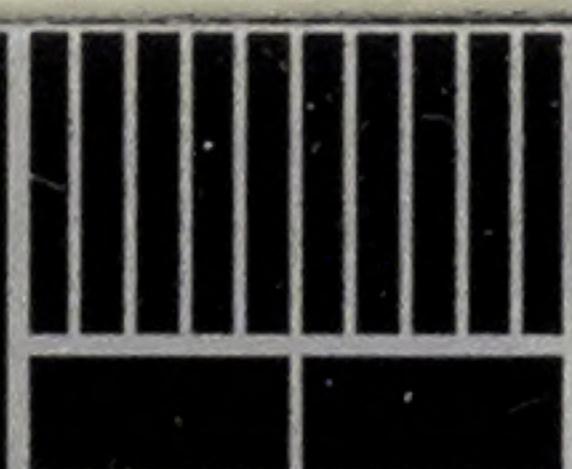


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and small flowers seen to be the principal
difference

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dr. Dr 65 & 25

Cayratia umbellata Kunth

Cannago on Achyranthes Kellst.
etc - June 1st 1847
Gregg 880



Gregg's No 490. Near Saltillo
also on Kellstreeans and some
Amaranthaceae is the same thing
but apparently not common with

calyx deeply divided lobes
longer than tubes of corolla;
filaments longer than oblong
linear anthers; stamens
shorter than lobes of corolla;
style longer than ovary, filiform
lobes of corolla patent
at last reflexed; corolla
covering the capsule! which
remains ~~pubescent~~ sessile and is rarely
dragged along over sides of top of
by force



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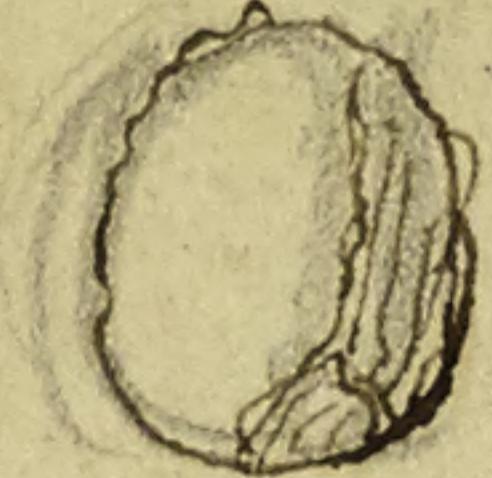


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58-0.6"

R. Wrightianae

Cucurbita umbellata

N. 371.

Flowers large pedunculate, large ~~or pedunculate~~^{umbellatij},
ragged lobes anteriorly tube corolla campanulate,
paullo superante bas; lacinij lanceolati petalis
reflexive tub-augustas; squam; magis;
style filiformis exsertis, caps. ova rotunda,
sem vermiculos i 0.5-2.6 li longis

N. 695

is entirely identical

No number

is a form with shorter pedicels, scarcely as long as the flowers,



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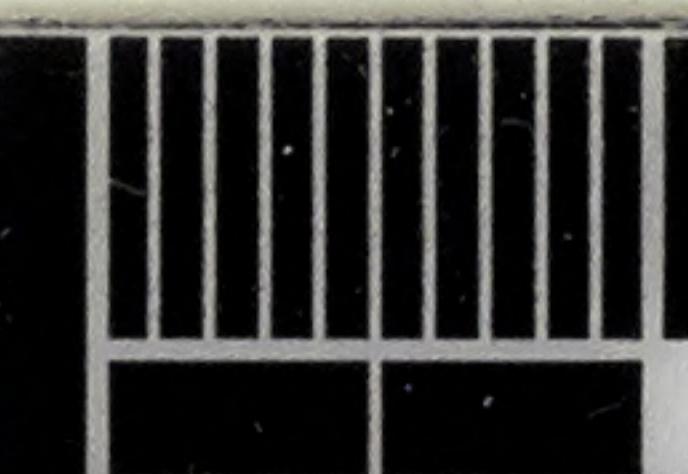
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4

Cise p. 487

C. partita Chois

18. C. partita Chois ! Blanckel 3047 Brasil
Hb. Shattuck.

38 Piuray, Brasil, Gardner Hb. H.

50. Pianta, Brasil, Gardner 2684 bis H. W. Job.
H. delessert, Gardner 2684.
Curacao Friedrichsthal 375. b. H. W. Job.

195. Maracaibo Karsten

231 Weddell 3483 Bolivia

" " 3611 Gutierrez, Bolivia

(Enclosed 299-303)



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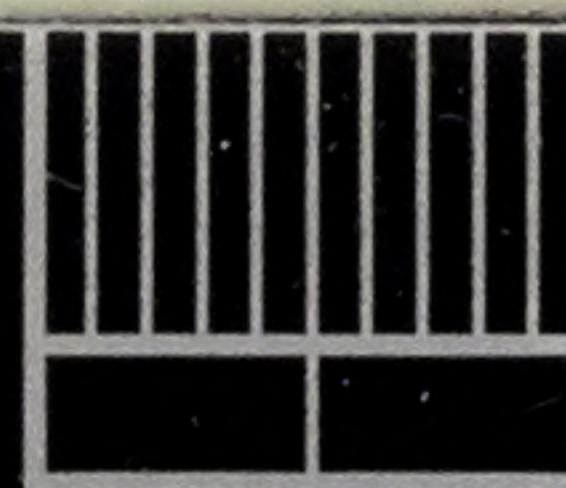
Cassia partita Chois.

Rorija near Maracaibo

on some annual Crotore

Dr. Karsten

Mimaceae. St. aging, rame capillare
humidi; florib. in cymas pauci-
cylindricas laxas congestis pedicellatis
velutinis colori concentrici aucti ad
basim percurrentibus, tubo or. brusca
Cassia tub. max. arroletum subaequaliter
reflexis, apice inflatis; stanctis
peraeque longis; squamis magnis
fasciis aequaliter; stylis expallentibus
cruciis paucis globosae multo longioribus



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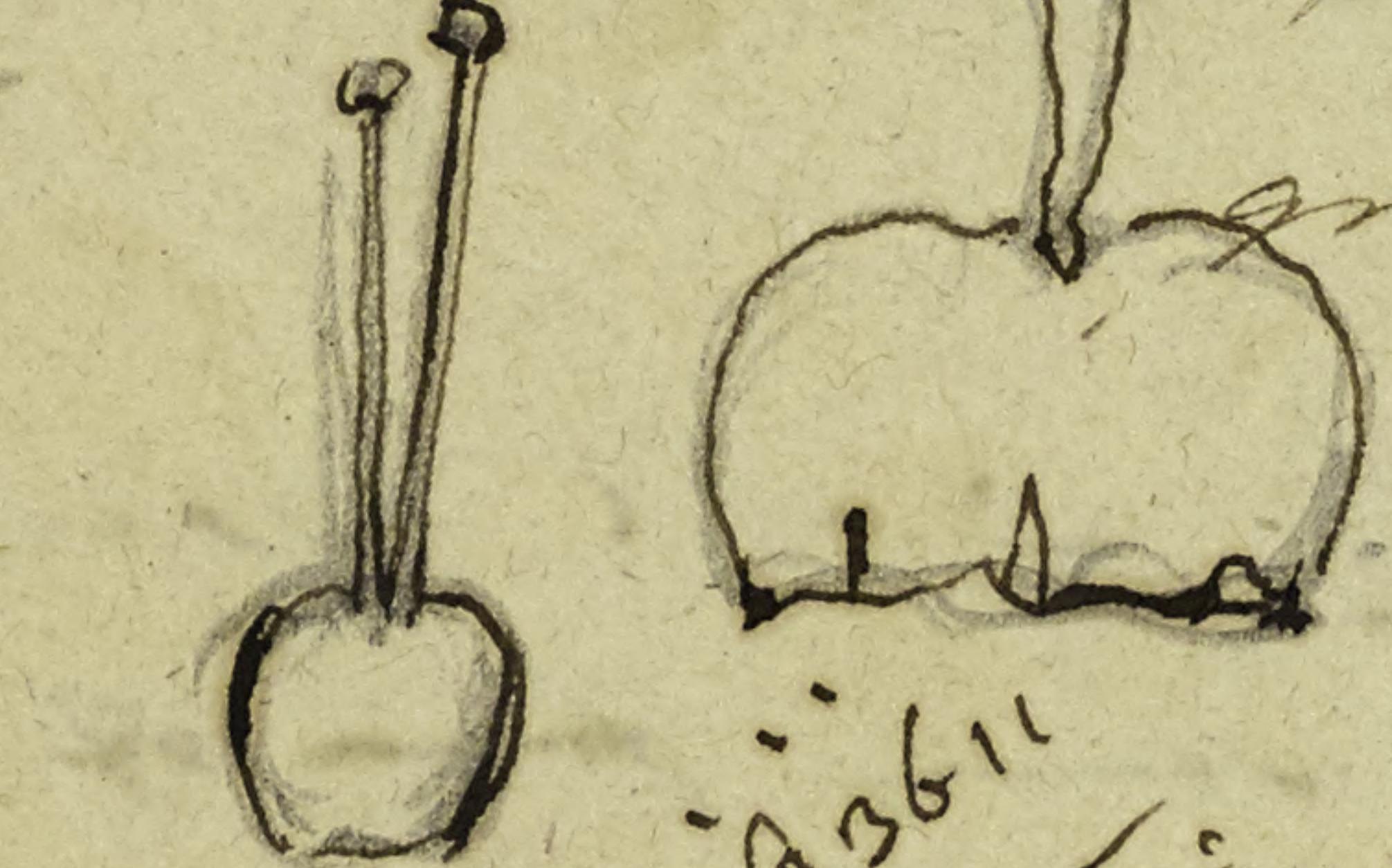
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Paris June 1857



This seems to be the plant of Gardner
fig. 50 - flowers only more compact and
a little larger,
corolla is all these (at least a few others)
plants soon after flowering ventricose; the line below the plants (the flower
itself!) is thickened and remains tighter, while the paronyx
of the corolla tube becomes larger, wider, and thereby the whole
ventricose, but somewhat divided in 5 compartments, which correspond
with the petals, externally it then looks obtusely 5 angular, I suppose

Grammion pastita
B. major.

3483. Coll H. A. Weddell

Campos húmedos, Prov. Chiquitos
Bolivia Sept & Octob 1845.

" flowers yellowish or reddish white
growing on some low species of Cassia



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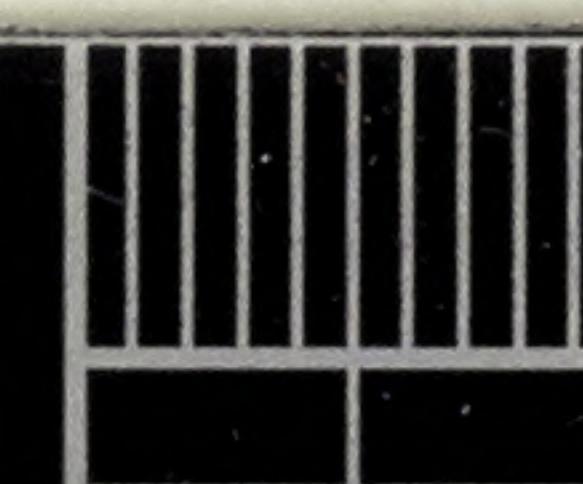
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calyx profundus per ad basi fusi lobis lanceolatis basi
 apice scapo ramosi; tubo corolla cylindro brevioribus;
 lacinia corolle tubo brevioris ramosi apice inflatis;
 staminibus lacinia vix brevioribus, anthers magnis oblongis
 plantae subulata longioribus; squam mediis ~~tubis~~ corollis
 filatores & bracteas ramosi ramosi tubae subsagittatis
 stylis filiformibus; ovarium parvum globosum longis apicibus
 ovum longe exsertum; capsula carinata corolla ramosa
 testudinaria.

This is the same as partita — all essential parts, only
 much larger, and not red; same form of calyx & corolla,
 same large anthers, long styles etc.

3611 Gutierrez, Bolivia, Weddell is the same plant; corolla more
 deeply divided and standard shorter; in the Province of
 Coroico in Bolivia — fl. rose or whitish — Nov & Dec 1845

²²/₉ ⁵⁹ caps. an- o- r- ! Tenuissim- — lvs. oblong. o. rotund 2-4 venos.
 hil brw. oblong. oblong — perfect. hispous (-rotund)



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= 50

Cassata partita Chois !

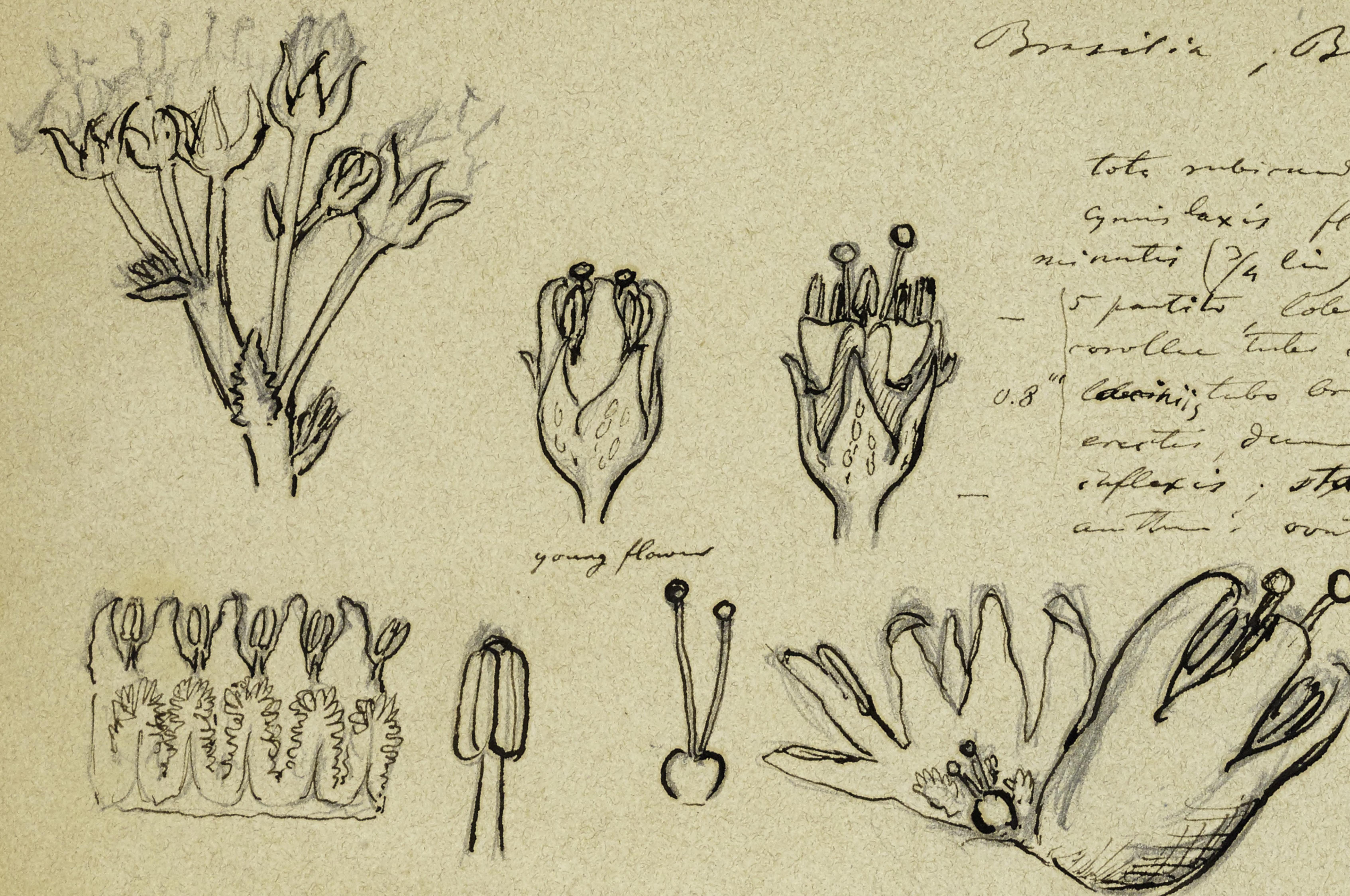
Brazilia, Blanquet 3047

ex herb. Shattock

tota subrounda

Guis laxis fl. long pedicellatis
 minutis ($\frac{3}{4}$ lin) calyx profundi
 5-partit. Corollis laccatini ante-
 riori convoluta campanula inclusa
 0.8" lobis brevioribus laccatini
 erectis, dum reflexis, apice
 reflexis; staminis laeviusculus
 anthers; corollis flava (cæquabilis
 fuscis inservit)

organis marginis
 facies abtrusus
 ovario depresso
 paucis, stylis
 multi longitudinaliter
 exsertis.



a complete flower
 and a small open
 incomplete one on
 the same regular
 calyx !

12. 18. 22. 26. 26. 28. 29. 45. 50

being near together



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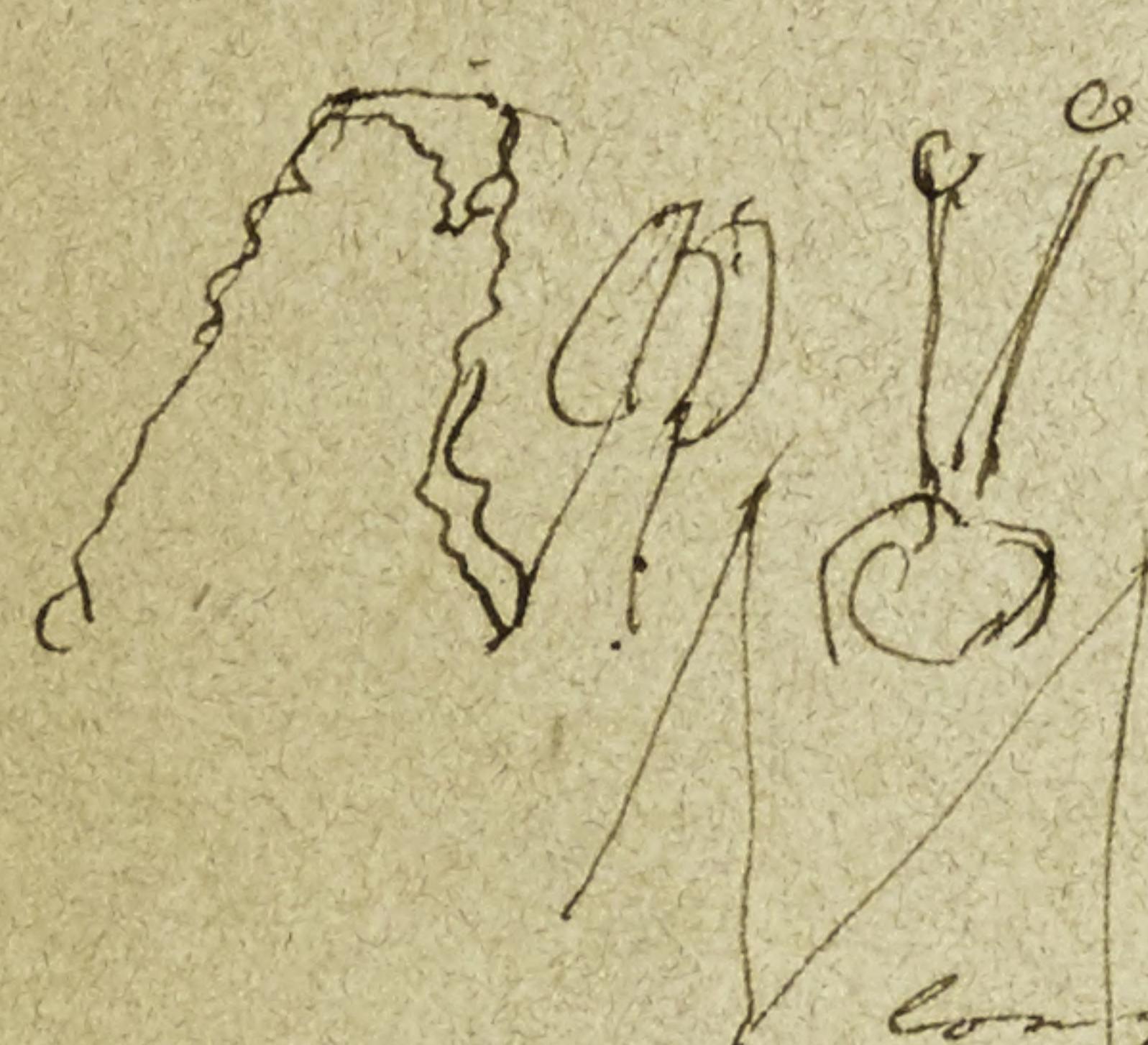
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C. partita Chou

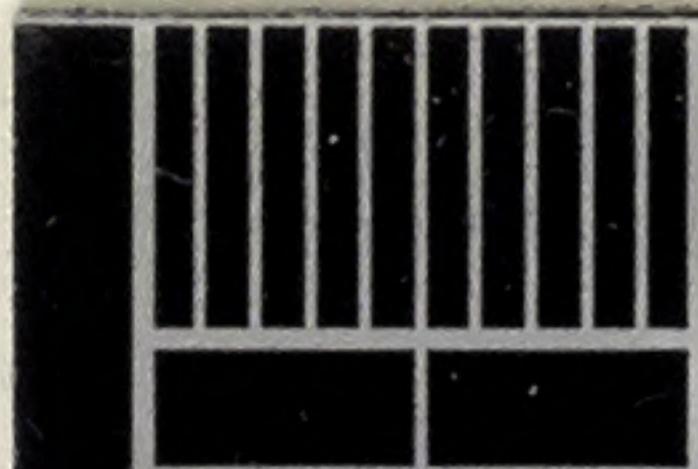
Braueri ~~PBL 5700~~

Hb. Wardb. N 70
Franky, Gardner 2684, bis.

& Hb. Delessert

floris pallidissimis bracteis rugosis; floriae pro linea longioribus s. ministris, suorum abso. repletis;
ovula in floribus carnosulis amictis, ovula tuba exserta
(parte patiti) serpentiformes; bracts ovula tuba subdecurrent, amicti,
apice crenati, erecti s. decum reflexi; glandulae venenosae
styli capitatis filiformes ovario longiori, subexsertae.

I can see no difference of this plant, & Chou's *C. partita*. - Herb. Delessert, Gardner 2684 is the same thing, but flowers larger
Hb. Wardb. 59°, Curacao, Friedrichsthal 375.6. is the same plant
flowers a little smaller, styles slightly shorter



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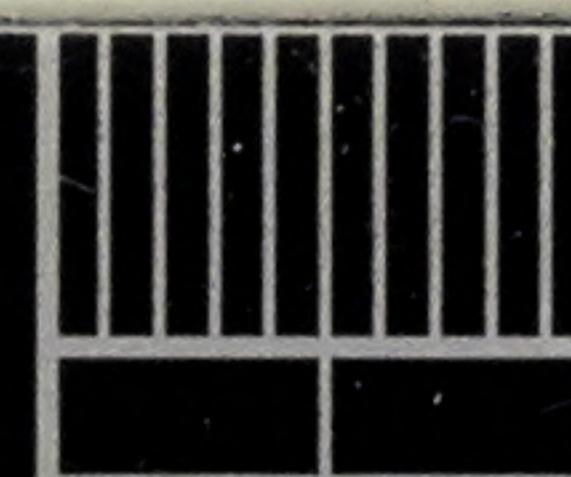
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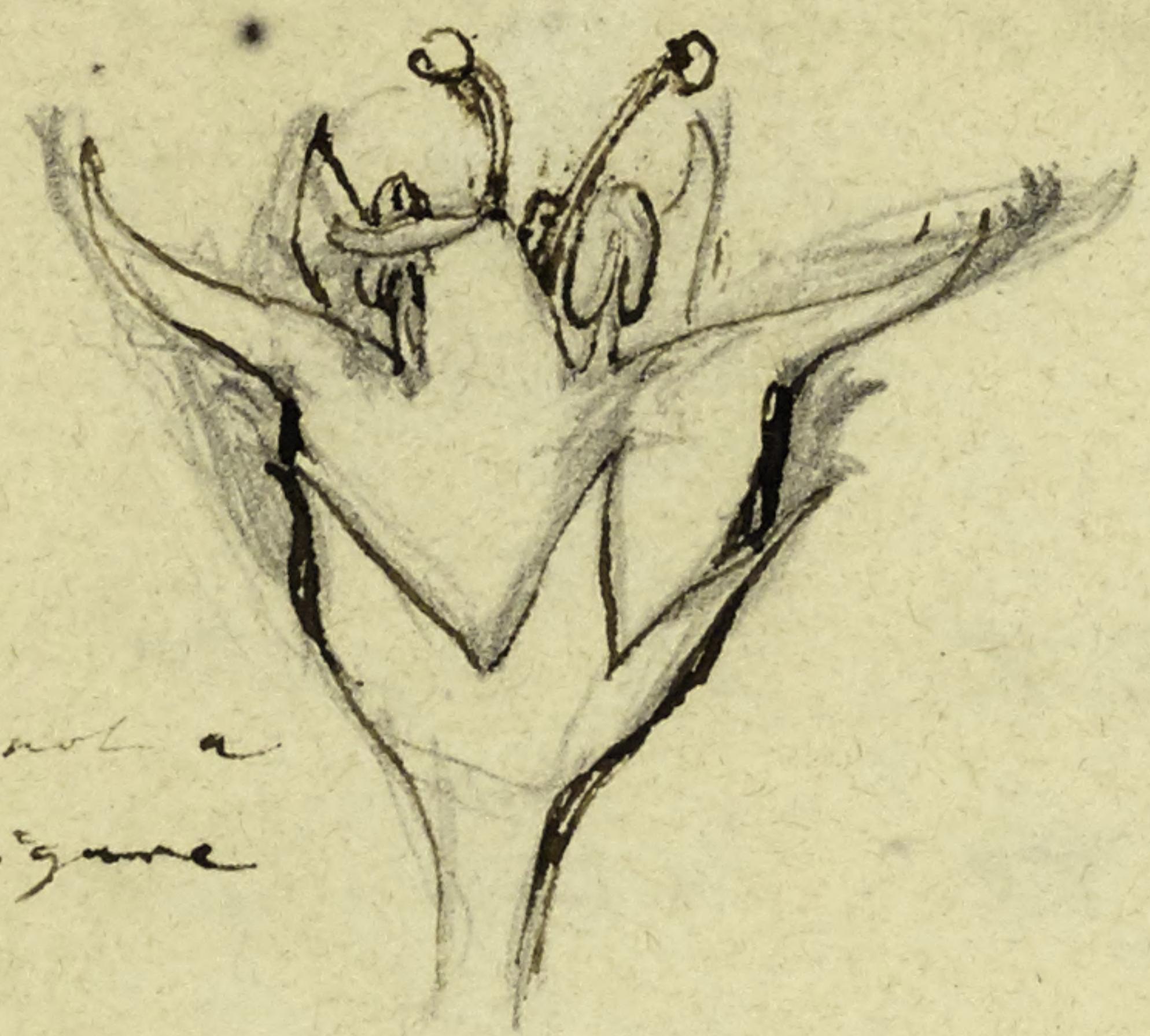
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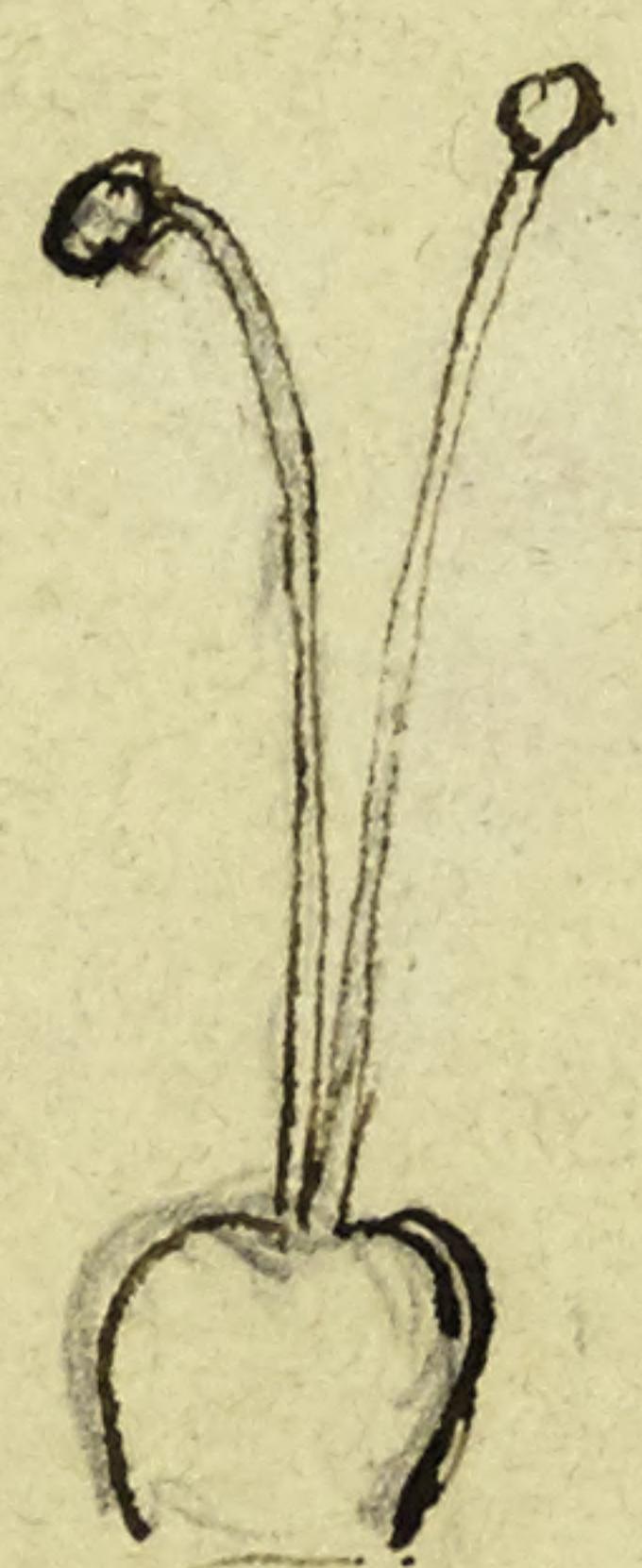
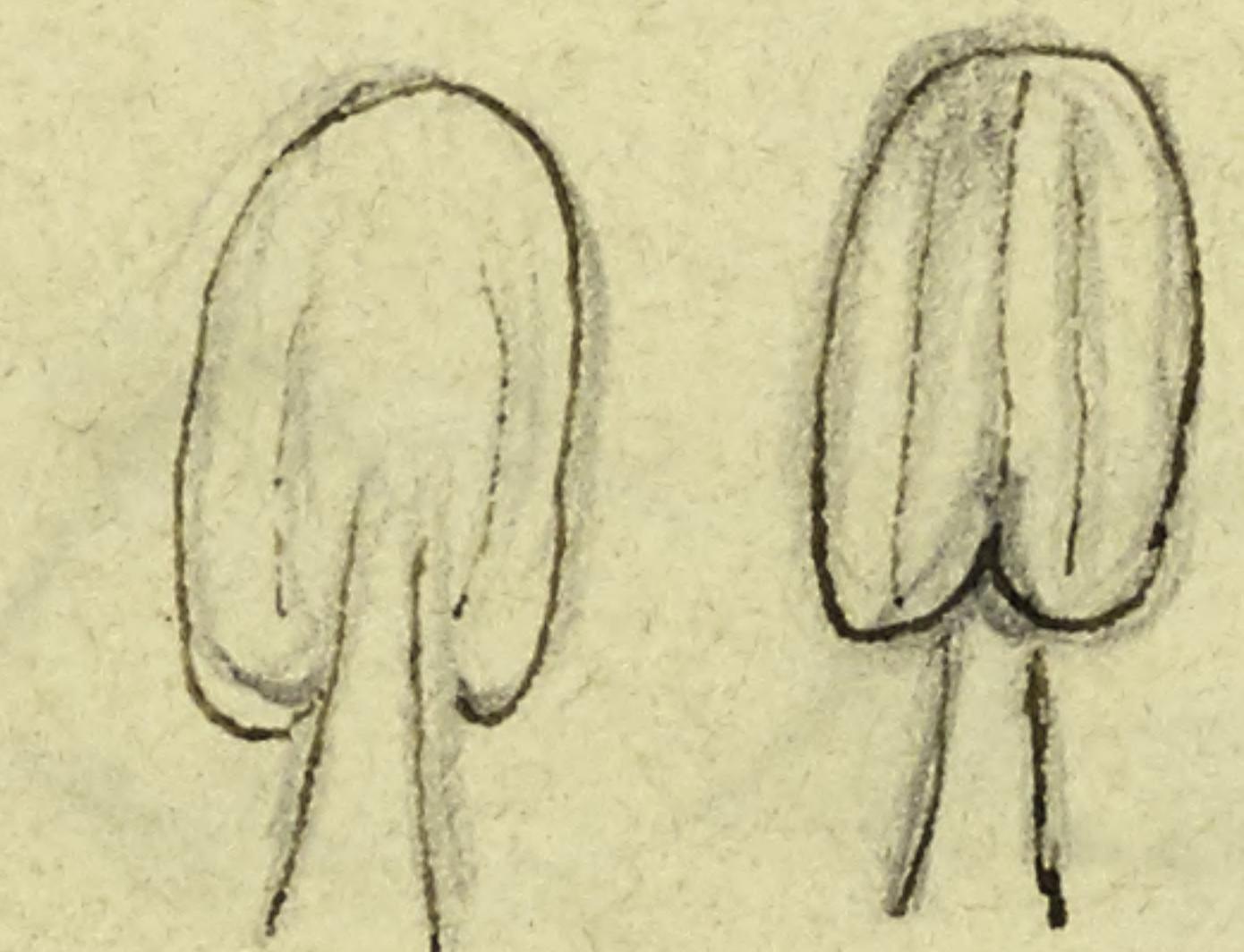
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this is not a
good figure



0.5

ovaria deprimata, parvula; stylis
longioris capillaris exsertis, den-
ticulis in base levigatis, persistente
staminibus paucis.

Flowers 1-1/2 l. long, styles very long, seeds only 1/2 l. long; crown

=playtiti!
Casson's *Agrostostylis* n. sp.
var. *frumentum*
Piantz, Gardner
Brazil Hb. Hooker 47.6.

Drawing

and in capillaris

pedalis laxis, floribus sparsite
pedalis grossis longis; valvis
lobis acutis, tubo molle aperto
diametrum rotundato, clypeis exsertis,
lacinias ^{rotundatae} ~~lanceolatis~~ acutis longiori
staminibus brevibus; anthers acutis
oblongis filamentis sub lati longiorib;
staminis basimuntis coronam frontis
ovatis tubo molle brevioribus.

ovaria deprimata, parvula; stylis

longioris capillaris exsertis, den-
ticulis in base levigatis, persistente
staminibus paucis.



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of scales contracted around over the capsule, while the
corolla-tube is wider, somewhat arculate, and not touching
the scales!

Allied to *C. desertorum* & *C. umbellata*, on account of
~~name~~ (spreading)
~~name~~ tubes, but distinct through the arculate tube
and the long styles.

~~Same under same name in the Deshaies~~
~~for "Prov. Ceara, Brazil traps, 1839" in Portuguese~~

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